1st & Final bills

Recorded on:-

Job Number: 005-23-000015

Est Cost:-10,00 Lakhs

M. A. R. 57 (Rule 116)

Measurement Book

No. D 117142

Serial No.

Works order No:- BBMP/EE/YNK.D/EPMT-12/W.O/87/2022-23, Date 31/01/2023

Name of work Improvements to roads and drains at JP Colony in ward no-05 yelahanka New Town Sub division.

Name of Contractor or nature of Agency SRI. PRADEEP S S/O SREENIVASAYYA NO-71 HORAMAVU AGARA, BANGALORE-560043

Date of commencement of work

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Removing and Refitting of footpath slab. Quantity vide, As per pre-measurement are Recorded in this MB and page No of:- 117166:- 218.40 m²						49249.20
						CRS. 225.50	
	(2) Earth works excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils, as per drawing and technical Specifications, including setting out, shoring, strutting, barricading, caution lights removal of stumps and other						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	deleterious matter, excavated surface levelled and sides neatly dressed disposing off the excavated stuff for sorting & stacking the selected stuff for reuse in a radius of 50 m and lift up to 1.5m including cost of labour, tools & other appurtenances required to complete the work.						
	Quantity vide, As per pre-measurements Recorded in this ones & Page No of:-				117167 : 94.47 m³		24,940.08
					CRS 264.00		
(3)	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/ basalt crushed graded coarse aggregates and fine aggregate						

TOTAL

M. A. R. 57 (Rule 116) No. D 117143
Measurement Book

Serial No .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	as per relevant IS Codes machine mixed laid in layers not exceed-ing 150 mm thickness cleared per Specifications. Quantity vide, As per pre-measurement are Recorded in this entry & Page No of:- 117168:- 30.00 m³ CRS. 4826.00					144780.00	
	(4) Providing and laying in position plain cement Concrete for level-ing course for all coarse in foundation. The granite/trap/basalt Gushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed laid in layers not exceeding						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾ
ಬೆ.ಮ.ನ.ಪ. ಬೆಂಗಳೂರು-10

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	150 mm thickness, well Compacted using plate vibrators, including all lead & lifts, Cost of all materials of quality, labour, usage charges of machineries, curing and all the other appurtenances required to complete the works as per Specifications.						
	Quantity vide, As per pre-measurement are Recorded in this MB & Page No of:- 117169:- 19.80 m³						
						CRS. 4978.00	98,564.40
	(5) Providing and fixing pre Cast reinforced Cement Concrete Covering Slabs of 100mm thick made of m25 with opc Cement @340kg/cum with 20mm and down size graded granite metal Coarse aggregates @0.7cum & fine aggregate as per Specifications						

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M. A. R. 57 (Rule 116)
Measurement Book

No. D 117144

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Covering Slabs:- 1st Gorge	112	0.60	0.75	-	50.40	
	2nd Gorge	80	0.60	0.90	-	43.20	
						93.60 m2	
						CRS. 1637.00	
	(6) Dismantling of cement Concrete Pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and Stock piling at designated locations and disposal of dismantled materials and Stacking Serviceable and unserviceable materials Separate etc as per specifications.						

ಸಹಾಯಕ ಅಧಿಯಂತರ
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ಬೆಂಗಳೂರು-106

ಸಹಾಯಕ ಅಧಿಯಂತರ
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity vide, AS per pre-measurement are Recorded in this cms and page no of:- 11/170:- 42.00 m³						
						CRS. 367.00	15,414.00
	(7) Providing and constructing un-reinforced plain cement Co -Crete Pavement, Thickness as per design, over a prepared Sub bale, with 43 grade Cement or any other type as per clause 1501.2.2 m30 (Grade), Coarse and fine aggregates Confirming to IS:383 duly per Specification.						
	C.C. Road:-	1	15.00	$\frac{1.60+2.20}{2}$	0.15	4.27	
		1	15.00	$\frac{2.20+3.00}{2}$	0.15	5.85	

$1 \times 15.00 \times \frac{3.00+3.00}{2} \times 0.15 = 6.75$

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ಯಲಹಂಕ ಉಪನಗರ ಉಪ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

Serial No. .....
Name of work .....
Name of Contractor of na
Date of commencement o

Date	Full descriptio
1	2
	(-) Deducti

M. A. R. 57 (Rule 116) No. D 117145

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	$\frac{3.00+2.70}{2}$	0.15	6.41	
		1	15.00	$\frac{2.70+3.70}{2}$	0.15	7.20	
		1	13.70	$\frac{3.70+3.30}{2}$	0.15	7.19	
						37.67 ಮೀ 3	
	(-) Deductions for Drainage	1		0.60	0.15	2.70	
		1		0.60	0.15	2.50	
	chamber	1	0.60	0.60	0.15	0.10	

Executive Engineer
Yelahanka Division
Yelahanka Zone
Bangalore Mahanagara Palike
BANGALORE - 560064

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎ.ಎ. ಬೆಂಗಳೂರು-106

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Drain:-	1	26.20	0.60	0.15	2.35	
						7.65 m³	
	Net Quantity:- 37.67 m³ - 7.65 m³ = 30.02 m³						
						CRS. 5659.00	
	⑧ Cost of Haulage excluding loading and unloading 10t load and lead 10 Kms = 100 t. Kms.						Taking output
	Qty vide item no-02:-	1	94.47	1.28	= 120.92		
	Qty vide item no-06:-	1	42.00	2.10	= 88.20		
						209.12 m³	
						CRS. 83.00	

Serial No. .....
Name of work .....
Name of Contractor
Date of commenceme

Date	Full descr
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M. A. R. 57 (Rule 116) No. D
Measurement Book

117146

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total RS:-		6,73,309.00
					Add 18% of GST RS:-		1,21,195.62
					Gnarad Total RS:-		7,94,504.62

CERTIFICATE:-

1) Certified That the above work done is Satisfactory Completed.

2) Certified That the There is no debries have beess cleared to Site.

6/05/2023

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Pre-encashurement

M. A. R. 57 (Rule 116)
Measurement Book

No. D 117166

Serial No.

Name of work: Improvements to roads and drains at JP Colony in ward no-05 yelahanka New Town Sub division.

Name of Contractor of nature of Agency: SRI. PRADEEP S S/O SREENIVASAYYA

Date of commencement of work:

Date	Full description, etc. of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
(1)	Removing and resetting of footpath slab.						
	JP Colony I st Cross:	1	30.00	0.75	-	22.50	
		1	30.00	0.75	-	22.50	
		1	30.00	0.75	-	22.50	
		1	30.00	0.75	-	22.50	
		1	30.00	0.75	-	22.50	
		1	30.00	0.75	-	22.50	
		1	20.00	0.75	-	22.50	
	2nd Cross	1	30.00	0.90	-	27.00	

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಪ ಜ.ಎಂ.ಎ. ಬೆಂಗಳೂರು-106

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
						312.00 m²	
	(-) 30% of Deduct missing slabs:-						
		112	0.60	0.75	-	50.40	
		80	0.60	0.90	-	43.20	
						93.60 m²	
	Net Quantity :-	312.00 m² - 93.60 m² = 218.40 m²					

6/01/2023

Serial No. .....
Name of work Imp
Name of Contractor
Date of commencem

Date	Full des
1	
(2)	Earth c draft. a for com including of stump sides re tions. J.P

Pre-measurement

M. A. R. 57 (Rule 116) No. D 117167
Measurement Book

Serial No. .....
Name of work Improvements to roads and drains at JP Colony in ward no 05 yelahanka New Town Sub division.
Name of Contractor or nature of Agency SRI PRADEEP S S/O SRINIVASAYYA.
Date of commencement of work .....

Date	Full description, etc. of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Earth work excavation by manual means for drains, canals, waste weir, draft approach channels, key trenches foundation of bridges and such like for works in all kinds of soils as per drawing and technical Specifications including setting out, shoring, strutting, barricading, caution lights removal of stumps and other deleterious matter, excavated surface levelled and sides neatly dressed disposing off the excavated stuff etc as per specifications.						
	J.P. Colony Details:-	1	30.00	0.45	0.45	6.07	
		1	30.00	0.45	0.45	6.07	
		1	30.00	0.45	0.45	6.07	
		1	30.00	0.45	0.45	6.07	

cgfc

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ಯಲಹಂಕ ಉಪವಿಭಾಗ,
ಬೆಂಗಳೂರು-106

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	0.45	0.45	6.07	
		1	30.00	0.45	0.45	6.07	
		1	20.00	0.45	0.45	4.05	
	2nd Grade:-	1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
		1	30.00	0.60	0.50	9.00	
						94.47 m³	

Checked 17/01/2023

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೬೪

Serial No. .....
Name of work In
Name of Contrac
Date of commenc

Date	Full
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(3)	Provid course grade Codes etc as

Pre-measurement

M. A. R. 57 (Rule 116) No. D 117168
Measurement Book

Serial No. .....

Name of work Improvements to roads and drains at JP Colony in ward no-05 yelahanka New Town Sub division.

Name of Contractor of nature of Agency SRI PRADEEP S S/O SRINIVASAYYA

Date of commencement of work .....

Date	Full description, etc. of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
1	2	3	Length 4	Breadth 5	6	7	8
	(3) Providing and laying in position plain cement concrete for levelling course for all coorses in foundation. The granite/trap/ boluder crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150mm thickness etc as per Specifications.						
	C.C. Road:-	1	15.00	$\frac{1.60+2.20}{2}$	0.15	4.27	
		1	15.00	$\frac{2.20+3.00}{2}$	0.15	5.85	
		1	15.00	$\frac{3.00+3.00}{2}$	0.15	6.75	
		1	15.00	$\frac{3.00+2.70}{2}$	0.15	6.41	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	$\frac{2.70+3.70}{2}$	0.15	7.20	
		1	13.70	$\frac{3.70+3.30}{2}$	0.15	7.19	
						37.67 ಘ.ಮೀ	
	↳ Deductions, ಕಿಂಡಿಗಾಗಿ :-	1	30.00	0.60	0.15	2.70	
		1	27.80	0.60	0.15	2.50	
	chambers	2	0.60	0.60	0.15	0.10	
	Drain	1	26.20	0.60	0.15	2.35	
						7.65 ಘ.ಮೀ	
	Net Quantity :- 37.67 m^3 - 7.65 m^3 = 30.02 m^3						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂ...
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28/01/2023

Serial No. .....
Name of work In...
Name of Contra...
Date of commen...

Date	Full
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(4)	Provi... Cowsh... Gusht... of I...

Pre-measurement

M. A. R. 57 (Rule 116) No. D 117169
Measurement Book

Serial No.....

Name of work: Improvements to roads and drains at JP Colony in ward no 05 of Yelahanka New Town Sub division.

Name of Contractor or nature of Agency: SRI. PRADEEP. S S/O SRINIVASAYYA.

Date of commencement of work.....

Date	Full description, etc. of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(4) Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant of IS Codes machine mixed. etc as per Specifications.						
	JP Colony 1st Cross:-	1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd Gusset:	1	20.00	0.45	0.10	0.90	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
		1	30.00	0.45	0.10	1.35	
						19.80 m3	

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು.

26/01/2023

Serial No. .....
Name of work J
Name of Contra
Date of commen

Date	Full
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(6)	Di... using value di...

Pre measurement

M. A. R. 57 (Rule 116) **No. D**
Measurement Book

Serial No. .....

117170

Name of work Improvements to roads and drains at JP Colony in ward no-05 of Yelahanka New Town Sub division.

Name of Contractor of nature of Agency SRI. PRADEEP S S/O SRINIVASAIYA.

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
(6)	Dismantling of cement concrete pavement by mechanical means using Pneumatic tools, breaking to pieces not exceeding 0.02 m^3 in volume and stack piling at delineated locations and disposal of dismantled materials and stacking Saurvable and unsaurvable materials Seperated etc as per specification.						
	CC Road:-	1	15.00	$\frac{1.60+2.20}{2}$	0.30	8.55	
		1	15.00	$\frac{2.20+3.00}{2}$	0.30	11.70	
		1	15.00	$\frac{3.00+3.00}{2}$	0.30	13.50	

ccfc

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.

26/01/2023

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	$\frac{3.00+2.70}{2}$	0.30	12.82	
		1	15.00	$\frac{2.70+3.70}{2}$	0.30	14.40	
		1	13.70	$\frac{3.70+3.30}{2}$	0.30	14.38	
						75.35 m³	
	(-) Deductions, Drain	1	30.00	0.60	0.30	5.40	
		1	27.80	0.60	0.30	5.00	
	chambers	2	0.60	0.60	0.30	0.20	
	Drain	1	26.20	0.60	0.30	4.70	
						15.30 m³	
	Net quantity:	75.35 m³ - 15.30 m³ = 60.05 m³					

26/01/2023

Serial No. .....
Name of work .....
Name of Contractor of natu
Date of commencement of

Date	Full description,
1	2